| * | index of Claims |          |          |           |         |              |              |           |          |          |       |          |          | A           | 10/666,859  |                 |         |           |          |          |           |     |          |            |           | Applicant(s) |         |          |          |                     |           |             |          |
|---|-----------------|----------|----------|-----------|---------|--------------|--------------|-----------|----------|----------|-------|----------|----------|-------------|-------------|-----------------|---------|-----------|----------|----------|-----------|-----|----------|------------|-----------|--------------|---------|----------|----------|---------------------|-----------|-------------|----------|
|   |                 |          |          |           |         |              |              |           |          |          |       |          |          | 10          |             |                 |         |           |          |          |           |     |          |            |           | VIL          | LE      | . R      | 3EI      | RT T.               |           |             |          |
|   |                 |          |          |           |         |              |              |           |          |          |       |          |          |             | Examiner    |                 |         |           |          |          |           |     |          |            | Art Unit  |              |         |          |          |                     |           |             |          |
|   |                 |          |          |           |         |              | Ш            |           | Ш        |          |       |          |          |             |             | David I Pareley |         |           |          |          |           |     |          |            |           | 2042         |         |          |          |                     |           |             |          |
|   |                 |          |          |           |         |              |              |           |          |          |       |          | -        |             | _           | David J Parsley |         |           |          |          |           |     |          |            |           | 3643         |         |          |          |                     |           |             |          |
|   |                 |          | Г        |           |         |              | 7            |           | Г        | T        |       | <b>'</b> |          |             |             | -11             |         |           | 1        |          |           |     |          | 1          |           | _            |         |          |          |                     | 7         |             |          |
|   |                 |          | 1        | Re        | ejec    | tec          | 1            |           | -        | -        | (1    | nrol     | igh i    | nun         | ner<br>4    | aı)             |         | ١,        | N        | Non-Ele  |           |     | ted      | ļ          | A         | Appeal       |         |          |          |                     |           |             |          |
|   |                 |          | $\vdash$ | ┢         |         |              | ┨            |           | $\vdash$ | ╁        | _     |          |          |             |             |                 | ┥       | F         | +        |          |           |     |          |            | H         |              |         |          |          |                     |           |             |          |
|   |                 |          | =        | A         | low     | red          | ı I          |           | 1        |          |       | R        | estri    | cte         | d           |                 |         |           | 1        | inte     | erfe      | ere | nce      |            | 0         | Objected     |         |          |          |                     |           |             |          |
|   |                 |          | ш        | <u> </u>  |         |              | _;           |           | L        |          |       |          |          |             |             |                 | J       | L         |          |          |           |     | -        | J          | Ш         |              |         |          |          |                     | J         |             |          |
|   |                 | laim     |          |           |         | Da           | ite          | 3         |          |          | Claim |          |          |             | (           |                 |         | ate       |          |          |           | ]:  | C        | aim        |           |              |         | Da       | te       |                     |           |             | 1        |
|   | _               | <b>a</b> | 2 V/C    |           | -       | ١            |              |           |          |          | Ç     | _        | 耍        |             |             |                 |         | ı         |          |          |           |     | _        | 100        |           | П            | Т       | Ţ        | Τ        |                     |           | Π           | ]        |
|   | Final           | Original | 3        |           |         |              |              |           |          | 1        |       | Final    | Original |             |             |                 |         |           | 1        | 1        |           | *   | Final    | Original   |           | -            |         |          |          |                     |           |             |          |
|   |                 |          | 12       |           | 4       | $\bot$       | 1            | ┸         | ┸        | L        |       |          | 1        |             | L           | Ц               |         | ┸         | $\perp$  | $\perp$  | L         | þ.  |          | 1          | Ш         | ┙            | L       |          |          | L                   | L         | L           |          |
|   |                 | (2)      | K        | Н         | +       | +            | ╀            | ╀         | ╀        | ╀        | 1     |          | 51<br>52 | ⊢           | L           | H               | -       | +         | 4        | 4        | ╀         | ١., | <u> </u> | 101        | Н         | 4            | $\bot$  | 1        | _        | L                   | Ļ         | L           | ]        |
|   |                 | 3        | ¥        | Ħ         | = -     | $\dagger$    | $\dagger$    | $\dagger$ | t        | t        | 1     | $\vdash$ | 53       | $\vdash$    | Н           | Н               | +       | $\dagger$ | +        | ╅╴       | 十         |     | 1        | 103        | Н         | $\dashv$     | ╅       | +        | ╁        | ╁                   | ┢         | ┢           | 1        |
|   |                 | 4        | $\Box$   | $\Box$    | $\Box$  | Ţ            | 1            | I         | I        | I        | 1     |          | 54       |             |             |                 | 1       | 1         | I        | I        | L         | Į,  |          | 104        |           | ユ            | 土       | I        | 上        | L                   | 匚         | L           | 1        |
|   |                 | 6        | Н        | $\dashv$  | +       | ┿            | ╁            | ╁         | ╀        | ╀        | 1     | ⊢        | 55<br>56 | ╀┤          |             | $\vdash$        | +       | +         | +        | +        | ╀         | 1   | -        | 105<br>106 | Н         | +            | -       | ╀        | ╀        | $\vdash$            | _         | L           | }        |
|   |                 | 7        |          |           | $\perp$ | İ            |              | t         | 士        |          | j :   |          | 57       |             |             | $\Box$          | $\perp$ | 十         | 十        | +        | ۲         | :   | $\vdash$ | 107        | $\vdash$  | +            | ╫       | +        | ╁        | ╁                   | ┝         | $\vdash$    | 1        |
|   | -               | 8        | Ц        | $\Box$    | $\perp$ | $\bot$       | $\bot$       | Ţ         | F        | F        |       |          | 58       | П           |             |                 | 1       | Į         | T        | T        |           | 100 |          | 108        | 口         | コ            | 丰       | I        | L        |                     |           |             | j        |
|   | -               | 10       | Н        | $\dashv$  | +       | ╁            | ╁            | ╁         | ╁        | ╁        |       | _        | 59<br>60 | Н           | -           | +               | ╅       | +         | +-       | ╫        | ⊢         |     |          | 109        | $\vdash$  | +            | ┿       | ╀        | ╀        | ⊢                   | ├-        | ├_          | ł        |
|   |                 | 11       |          |           | 土       | 1            | 上            | T         | T        | İ        |       | Ш        | 61       |             |             |                 | 士       | 土         | $\pm$    | 土        | $\perp$   |     |          | 111        | $\vdash$  | ╅            | +       | ۲        | 十        | ┢                   | ┢         | ┝           | <b>!</b> |
|   | -               | 12       | Н        | $\dashv$  | +       | +            | ╀            | -         | $\perp$  | L        | 1     |          | 62<br>63 | П           |             | $\Box$          | _[      | Ţ         | T        | L        |           |     |          | 112        | $\Box$    | 7            | Ţ       | I        | L        | 匚                   |           |             |          |
|   |                 | 14       | Н        | $\dashv$  | +       | +            | +            | ╁         | +        | $\vdash$ |       | _        | 64       | Н           | -           | $\dashv$        | ╁       | +         | +        | ╫        | ┝         | ķ.  | —        | 113        | Н         | +            | ╬       | ╀        | ╀        | ╀                   | H         | H           |          |
|   |                 | 15       |          | $\Box$    | 丰       | 1            | 工            | T         | T        |          |       |          | 65       |             |             | $\Box$          | 工       | 1         | 土        | 上        |           |     |          | 115        |           | 士            | 土       | İ        | 上        |                     |           | $\vdash$    | j        |
|   | $\vdash$        | 16       | Н        | +         | +       | ╬            | ╁            | +         | ╀        | $\vdash$ | *     |          | 66<br>67 | $\vdash$    | -           | +               | ╀       | +         | ╀        | ╀        | ┞         |     |          | 116<br>117 | $\vdash$  | 4            | Ļ       | 1        | L        |                     |           | L           |          |
|   |                 | 18       |          | $\exists$ | 土       | $^{\dagger}$ | 土            | İ         | $\vdash$ | $\vdash$ | 1.    |          | 68       |             |             | +               | 士       | +         | ╁        | ╁        | 十         |     |          | 118        | $\forall$ | +            | ╅       | 十        | ╁        | H                   | $\vdash$  | $\vdash$    |          |
|   | <u> </u>        | 19       | Н        | 4         | 4       | +            | 4            | Ļ         | ╀        | Ļ        |       |          | 69       | П           |             | $\dashv$        | Ţ       | Ŧ         | T        | $\bot$   |           |     |          | 119        |           | $\Box$       | $\perp$ | I        |          |                     |           |             |          |
|   | $\vdash$        | 21       | Н        | +         | ╅       | ╁            | ╫            | ╁         | ╀        | ┝        |       |          | 70<br>71 | ┨╌┨         | $\dashv$    | $\dashv$        | ╌       | +         | +        | ╁        | ⊢         |     |          | 120<br>121 | $\dashv$  | +            | ╬       | ╀        | ╀        | H                   |           | H           |          |
|   |                 | 22       |          |           |         | 工            |              | I         | L        |          |       |          | 72       |             |             | 工               | 1       | İ         | 土        |          |           |     |          | 122        |           | $\dagger$    | ╁       | T        | ┢        | $\vdash$            | H         |             |          |
|   | -               | 23<br>24 | Н        | +         | ╀       | +            | <del> </del> | ╀         | ╀        | L        |       |          | 73<br>74 | $\vdash$    | 4           | $\dashv$        | -       | 4         | $\perp$  | 1        |           |     |          | 123        |           | Ţ            | I       | Ţ        |          |                     |           |             |          |
|   |                 | 25       | H        | 士         | $\perp$ | T            | T            | ╁         | t        | ┢        |       |          | 75       | Н           | ┪           | $\dashv$        | +       | +         | +        | ╁        | H         |     |          | 124<br>125 | +         | +            | +       | ╁        | ⊢        | -                   | -         | H           |          |
|   |                 | 26       | $\Box$   | $\dashv$  | $\bot$  | T            | I            | L         | F        | 匚        |       |          | 76       |             | $\Box$      | $\Box$          | 工       | T         | $\top$   |          |           |     |          | 126        |           | $\pm$        | 土       | İ        |          |                     |           |             |          |
|   | $\vdash$        | 27<br>28 | Н        | +         | +-      | ╀            | ╀            | ╄         | ╀╌       | ⊢        |       |          | 77<br>78 | Н           | $\dashv$    | +               | ╀       | ╀         | +        | ╀        | L         |     |          | 127        | -         | 4            | +       | ╀        |          |                     | П         |             |          |
|   |                 | 29       |          | 1         |         | 土            | 上            | İ         | 上        |          | :3    |          | 79       |             |             | 土               | $\pm$   | t         | T        | $\perp$  |           | 7   |          | 129        | $\dashv$  | ╅            | +       | ╁        | $\vdash$ | Н                   | Н         | $\vdash$    |          |
|   | -               | 30       | Н        | +         | +-      | ╀            | ╀            | ╀         | ┡        | -        | vi.   |          | 80<br>81 | Н           | 4           | -               | $\bot$  | L         | $\perp$  |          |           |     |          | 130        |           | 1            | $\top$  |          |          |                     |           |             | į į      |
|   |                 | 32       |          | +         | 十       | +            | $\vdash$     | $\vdash$  | ╁        | $\vdash$ |       |          | 82       | Н           | $\dashv$    | +               | ╁       | ╫         | ╁        | ╁        | Н         | 4.  |          | 131        | +         | ╫            | ╫       | ╀        | $\vdash$ | Н                   | Н         | Н           |          |
|   |                 | 33       | $\Box$   | $\Box$    | $\perp$ | I            | oxdot        |           | L        |          |       |          | 83       |             |             |                 |         | I         | 上        |          |           |     |          | 133        |           | 1            | 1       | 上        |          | Н                   |           | Н           | ļ        |
|   | -               | 34       | $\dashv$ | ╬         | ╁       | ╀            | ╁            | ┝         | ╀        | Н        |       | _        | 84<br>85 | $\dashv$    | $\dashv$    | -               | ╀       | ╀         | ╄        | -        | Ц         | • • |          | 134        | 1         | 4            | $\bot$  | L        |          |                     |           |             |          |
|   |                 | 36       |          | 士         | 土       | 上            |              | T         |          | Н        |       | _        | 86       | $\vdash$    | $\dashv$    | +               | +       | ╁         | ╁        |          | Н         |     |          | 136        | $\dashv$  | +            | ╁       | ┢        | Н        | Н                   | Н         | Н           |          |
|   |                 | 37       | $\dashv$ | 1         |         | F            | $\vdash$     | F         |          |          |       |          | 87       |             | $\exists$   | $\Box$          |         | Į         | I        |          |           |     |          | 137        | 二         | 1            | 上       | 匚        |          |                     |           |             |          |
|   | <u> </u>        | 39       | $\dashv$ | ╁         | ╁       | ╁            | ╀            | H         | ┝        | Н        |       |          | 88<br>89 | $\dashv$    | $\dashv$    | ╁               | ╁       | ╁         | ╀        | Н        | Н         |     | $\dashv$ | 138<br>139 | +         | +            | +       | ┝        | Н        | Н                   | $\dashv$  | Ц           |          |
|   |                 | 40       | コ        | 士         | 士       | T            | 上            |           |          |          |       |          | 90       |             |             | 1               | 上       | t         | 上        |          |           |     | $\dashv$ | 140        | $\dashv$  | +            | +       | ┢        | Н        | H                   | $\dashv$  | $\dashv$    |          |
|   | -               | 41       | +        | +         | +       | +            | +            | $\vdash$  | H        | Н        |       | _        | 91       | $\dashv$    | 4           | 1               | $\bot$  | L         | F        | П        |           | Ī   | $\Box$   | 141        | 二         | 1            | I       |          |          | 口                   |           |             |          |
|   |                 | 43       | +        | 士         | +       | +            | $\vdash$     | $\vdash$  | $\vdash$ | Н        | 1     | $\dashv$ | 92<br>93 | +           | $\dashv$    | +               | +       | +         | ╁        | Н        | Н         |     |          | 142        | +         | +            | +       | ⊢        | Н        | $\vdash \downarrow$ | 4         | $\dashv$    | -        |
|   |                 | 44       | Ţ        | T         | T       | E            | Г            | Г         |          |          |       |          | 94       | $\sqsupset$ | $\sqsupset$ | 工               | 工       |           |          |          | ╛         | İ   |          | 144        | 士         | 士            | 士       |          | H        |                     | _         | $\dashv$    |          |
|   | -               | 45<br>46 | +        | +         | +       | ╀            | ╀            | -         | $\vdash$ | $\vdash$ | 1     |          | 95<br>96 | $\dashv$    | +           | +               | +       | $\vdash$  | $\vdash$ | $\vdash$ | $\dashv$  | 1   | $\dashv$ | 145        | $\bot$    | T            | F       |          | П        | $\Box$              | $\exists$ | $\sqsupset$ |          |
|   |                 | 47       | コ        | 土         | 土       | L            |              |           |          |          | t     |          | 97       | _           | $\pm$       | 士               | 1       |           | T        | H        | $\dashv$  | 1   |          | 147        | +         | +            | +       | $\vdash$ | Н        | $\vdash$            | $\dashv$  | $\dashv$    |          |
|   | -               | 48<br>49 | -        | $\perp$   | +       | $\vdash$     | F            |           |          | П        | ſ     | $\Box$   | 98<br>99 | $\exists$   | $\dashv$    | $\bot$          | F       | F         |          | $\Box$   | $\square$ | -   | $\Box$   | 148        | 丰         | T            | $\top$  |          |          |                     | コ         | $\exists$   |          |
|   |                 | 50       | 士        | $\pm$     | 士       | $\perp$      | $\vdash$     |           |          | Н        | 1     | -        | 100      | $\dashv$    | $\dashv$    | +               | ╁       | +         | ╁        | Н        | $\dashv$  | -   | $\dashv$ | 149<br>150 | +         | +            | +       | $\vdash$ | Н        | $\dashv$            | $\dashv$  | 4           |          |
|   |                 |          |          |           |         |              |              |           |          |          |       |          |          |             |             |                 |         |           |          |          |           |     |          |            |           |              |         |          |          |                     |           |             |          |